

COX1 Polyclonal Antibody

catalog number: **E-AB-68405**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

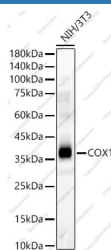
Reactivity	Human;Mouse
Immunogen	A synthetic peptide of mouse COX1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

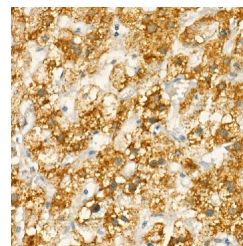
Recommended Dilution

WB	1:500-1:2000
IHC	1:50-1:200

Data



Western blot analysis of NIH/3T3 using COX1 Polyclonal Antibody at 1:400 dilution.
Observed-MW:37 kDa
Calculated-MW:56 kDa



Immunohistochemistry of paraffin-embedded human liver using COX1 Polyclonal Antibody at dilution of 1:25 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Enables cytochrome-c oxidase activity. Predicted to be involved in electron transport coupled proton transport; mitochondrial electron transport, cytochrome c to oxygen; and response to oxidative stress. Located in mitochondrial inner membrane. Part of mitochondrial respiratory chain complex IV. Is expressed in several structures, including brown fat; heart; liver; metanephros; and skeletal muscle. Orthologous to human MT-CO1 (mitochondrially encoded cytochrome c oxidase I).

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